PTO/SB/21 (02-04) Approved for use through 07/31/2006. OMB 0651-0031

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#### **Application Number** 10/646,655 Filing Date TRANSMITTAL August 21, 2003 First Named Inventor **FORM** Jee-Hoon KIM Art Unit 2871 (to be used for all correspondence after initial filing) **Examiner Name** Not Yet Assigned Attorney Docket Number 38 + 205Total Number of Pages in This Submission 404302001300 Refs ENCLOSURES (Check all that apply) After Allowance communication Fee Transmittal Form Drawing(s) to Technology Center (TC) Appeal Communication to Board of Fee Attached Licensing-related Papers Appeals and Interferences Appeal Communication to TC Amendment/Reply Petition (Appeal Notice, Brief, Reply Brief) Petition to Convert to a After Final **Proprietary Information** Provisional Application Power of Attorney, Revocation Affidavits/declaration(s) Status Letter Change of Correspondence Address Other Enclosure(s) (please Extension of Time Request Terminal Disclaimer Identify below): 1. Form PTO-1449 + duplicate (34 **Express Abandonment Request** Request for Refund pages) 2. Two Hundred Five (205) Information Disclosure Statement (3 CD, Number of CD(s) References pages) 3. Return Receipt Postcard Certified Copy of Priority Document(s) Remarks Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm **MORRISON & FOERSTER LLP** (Customer No. 25226) Douglas G. Hodder - 41,840

I hereby certify that this correspondence an envelope addressed to: Mail Stop Ar shown below.			
		. •	
Dated: September 1, 2004	Signature:		Maria Linda Guillermo)
		<u>/</u>	

Individual name

September 1, 2004

Signature

Date



### CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, PO Box 1450 Alexandria, VA 22313-1450, on September 1, 2004.

Maria/Linda Guillermo

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Jee-Hoon KIM et al.

Serial No.: 10/646,655

Filing Date: August 21, 2003

For: TFT SENSOR HAVING IMPROVED

**IMAGING SURFACE** 

Examiner: Not Yet Assigned

Group Art Unit: 2871

## INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Pursuant to the USPTO notice dated July 11, 2003, waiving the requirement under 37 C.F.R. § 1.98 (a)(2)(i) to provide copies of U.S. Patents and U.S. Published Applications, copies of those references are not submitted. Copies of foreign documents and non-patent literature are submitted herewith. The Examiner is requested to make these documents of record in the application.

Regarding reference numbers 470, 471, 473 and 475, Applicants wish to draw the attention of the Examiner to the fact that the year of the publication submitted is sufficiently earlier than the effective U.S. filing date of the related application so that the particular month of publication is not an issue.

•	This I	information Disclosure Statement is submitted:
	With	the application; accordingly, no fee or separate requirements are required.
	Befor	e the mailing of a first Office Action after the filing of a Request for Continued
	Exam	ination under § 1.114. However, if applicable, a certification under 37 C.F.R. §
	1.97(	e)(1) has been provided.
$\boxtimes$	Withi	n three months of the application filing date or before mailing of a first Office
	Actio	n on the merits; accordingly, no fee or separate requirements are required.
	Howe	ever, if applicable, a certification under 37 C.F.R. § 1.97(e)(1) has been provided.
	After	receipt of a first Office Action on the merits but before mailing of a final Office
	Actio	n or Notice of Allowance.
		A fee is required. A check in the amount of is enclosed.
		A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached
		to this submission in duplicate.
		A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee
		is believed to be due.
	After	mailing of a final Office Action or Notice of Allowance, but before payment of the
	issue	fee.
		A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the
		amount of is enclosed.
		A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmitta
		form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. §1.17(p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 404302001300. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: September 1, 2004

Respectfully submitted,

By:

Douglas G. Hodder Registration No. 41,840

Morrison & Foerster LLP 755 Page Mill Road

Palo Alto, California 94304-1018

Telephone: (650) 813-4203 Facsimile: (650) 494-0792 SEP 0 3 2004

Form PTO-1449

# INFORMATION SURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

	Sheet 1 of 17
Docket Number 404302001300	Application Number 10/646,655
Applicant	
Jee-	Hoon KIM et al.
Filing Date August 21, 2003	Group Art Unit 2871
Mailing Date September 1, 2004	

## U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	10/25/2001	2001/0033254	Furusato et al.			
	2.	01/03/2002	2002/0000915	Lee et al.			
	3.	03/07/2002	2002/0027188	Yoon et al.			
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EXAMINER:	DATE CONSIDERED:

Form PTO-1449			Docket Number 404302	2001300	Application Nu	mber 10/646,655			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION					Applicant  Jee-Hoon KIM et al.				
(Use several sheets if necessary)					Filing Date August 21, 2003 Group Art Unit 2871			2871	
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	27.	07/01/1980	4,210,899	Swo	nger et al.				
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EXAMIN	VER:				DATE CONS	SIDERED:			

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in

conformance and not considered. Include a copy of this form with next communication to applicant.

PTO/SB/ 08 (2-92) pa- 903135 Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

#### Docket Number 404302001300 Application Number 10/646,655 Form PTO-1449 INFORMATION DISCLOSURE CITATION Applicant Jee-Hoon KIM et al. IN AN APPLICATION (Use several sheets if necessary) Filing Date August 21, 2003 Group Art Unit 2871 Mailing Date September 1, 2004 56. 10/20/1987 4,701,959 Asai et al. 57. 03/01/1988 | 4,728,186 Eguchi et al. Grimes et al. 58. 03/01/1988 4,729,128 59. 05/17/1988 4,745,268 Drexler 08/30/1988 60. 4,768,021 Ferraro 61. 11/08/1988 4,783,167 Schiller et al. 62. 11/08/1988 4,783,823 Tasaki et al. 63. 11/15/1988 4,784,484 Jensen 64. 11/15/1988 4,785,171 Dowling, Jr. et al. 65. 11/29/1988 4,787,742 Schiller et al. Fishbine et al. 66. 12/20/1988 4,792,226 05/23/1989 4,832,485 **Bowles** 67. 4,835,376 68. 05/30/1989 Drexler 69. 10/03/1989 4,872,203 Asai et al. 70. 10/24/1989 4,876,725 Tomko Numano et al. 71. 12/26/1989 4,889,983 72. 02/27/1990 4,905,293 Asai et al. 73. 05/08/1990 4,924,085 Kato et al. 74. 05/15/1990 4,925,300 Rachlin Dowling, Jr. et al. 75. 06/12/1990 4,932,776 76. 06/26/1990 | 4,936,680 Henkes et al. 77. 08/07/1990 | 4,946,276 Chilcott 78. 12/11/1990 4,977,601 Bicz 79. 12/18/1990 4,979,007 Ogawa et al. 80. 01/08/1991 4,983,415 Arndt et al. 81. 02/19/1991 4,995,086 Lilley et al. 82. 09/17/1991 5,050,220 Marsh et al. 5,051,576 Schiller 83. 09/24/1991 84. 10/01/1991 5,053,608 Senanayake DATE CONSIDERED: **EXAMINER:**

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IN ORDINATION DISCESSED CITATION			Applicant					
IN AN APPLICATION				Jee-Hoon KIM et al.				
(Use several sheets if necessary)			Filing Date August 21, 2	003	Group Art Unit	2871		
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11	12.	08/03/1993	5,233,404	Lou	gheed et al.			
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conformance and not considered. Include a copy of this form with next communication to applicant.

#### Docket Number 404302001300 Application Number 10/646,655 Form PTO-1449 INFORMATION DISCLOSURE CITATION Applicant Jee-Hoon KIM et al. IN AN APPLICATION (Use several sheets if necessary) Filing Date August 21, 2003 Group Art Unit 2871 Mailing Date September 1, 2004 08/31/1993 5,241,606 114. Horie 115. 11/02/1993 5,259,025 Monroe et al. 116. 11/09/1993 5,261,008 Yamamoto 12/07/1993 Monroe et al 117. 5,268,963 01/18/1994 5,280,527 Gullman et al. 118. 05/03/1994 5,309,288 119. Kahre 120. 06/28/1994 5,325,442 Knapp 121. 08/09/1994 5,337,369 Shibuya Goldfine et al. 122. 08/30/1994 5,343,529 09/20/1994 5,349,174 Van Berkel et al. 123. 124. 11/08/1994 5,363,453 Gagne et al. Scheiter et al. 125. 12/13/1994 5,373,181 Sime 126. 01/31/1995 5,386,104 03/28/1995 127. 5,400,662 Tamori 05/16/1995 5,416,573 Sartor, Jr. 128. Fitzpatrick et al. 129. 05/30/1995 5,420,936 130. 05/30/1995 5,420,937 **Davis** Hamada et al. 131. 06/20/1995 5,426,708 132. 08/29/1995 5,446,290 Fujieda et al. Chen et al. 133. 09/05/1995 5,448,649 Tsutsui et al. 134. 09/05/1995 5,448,659 135. 10/10/1995 5,456,256 Schneider et al. Levison et al. 136. 11/07/1995 5,465,303 Fishbine et al. 137. 11/14/1995 5,467,403 Wei et al. 138. 01/02/1996 5,480,810 139. 01/16/1996 5,485,312 Horner et al. 140. 02/20/1996 5,493,621 Matsumura 141. 04/02/1996 5,503,029 Tamori 142. 04/16/1996 5,509,083 Abtahi et al. DATE CONSIDERED: **EXAMINER:**

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in

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#### Application Number 10/646,655 Form PTO-1449 INFORMATION DISCLOSURE CITATION Applicant Jee-Hoon KIM et al. IN AN APPLICATION (Use several sheets if necessary) Filing Date August 21, 2003 Group Art Unit 2871 Mailing Date September 1, 2004 143. 04/20/1996 | 5,513,272 Bogosian, Jr. 144. 05/07/1996 5,515,298 Bicz 145. 05/14/1996 5,515,738 Tamori 146. 05/28/1996 5,521,731 Fukuyama et al. Omori et al. 147. 06/04/1996 5,524,161 148. 06/18/1996 5,526,701 Tamori 149. 07/30/1996 5,541,994 Tomko et al. 08/13/1996 150. 5,546,471 Merjanian 151. 08/20/1996 5,548,394 Giles et al. 152. 09/24/1996 5,559,504 Itsumi et al. 10/08/1996 Kersten et al. 153. 5,563,345 154. 12/24/1996 5,587,533 Schneider et al. 155. 01/21/1997 5,596,454 Hebert Johnson 156. 01/28/1997 5,598,474 157. 02/18/1997 5,603,179 Adams 158. 04/08/1997 5,619,586 Sibbald 5,621,516 159. 04/15/1997 Shinzaki et al. 160. 04/22/1997 5,623,552 Lane 161. 04/22/1997 5,623,553 Sekiya 162. 04/29/1997 5,625,448 Ranalli et al. 163. 05/13/1997 5,629,764 Bahuguna et al. 164. 06/03/1997 5,635,723 Fujieda et al. 165. 07/01/1997 5,644,645 Osuga 166. 07/15/1997 5,648,648 Chou et al 167. 07/22/1997 5,650,842 Maase et al. 168. 10/21/1997 Borza 5,680,205 5,680,460 Tomko et al. 169. 10/21/1997 170. 5,686,765 11/11/1997 Washington 171. Schneider et al. 11/18/1997 5,689,576 DATE CONSIDERED: **EXAMINER:**

Docket Number 404302001300

Form PTO-1449			Docket Number 40430200	01300	Application Number 10/646,655		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION				Applicant  Jee-Hoon KIM et al.			
	(Use several sheets if	necessary)		Filing Date August 21, 20	003	Group Art Unit	2871
				Mailing Date September	1, 2004		
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EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in

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PTO/SB/ 08 (2-92) pa- 903135 Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

#### Docket Number 404302001300 Application Number 10/646,655 Form PTO-1449 Applicant INFORMATION DISCLOSURE CITATION Jee-Hoon KIM et al. IN AN APPLICATION Filing Date August 21, 2003 Group Art Unit 2871 (Use several sheets if necessary) Mailing Date September 1, 2004 201. 10/20/1998 | 5,825,474 Maase Setlak et al. 202. 10/27/1998 | 5,828,773 Tomko et al. 203. 11/03/1998 | 5.832.091 204. 11/17/1998 | 5,838,206 Busca et al. O'Connor et al. 205. 11/17/1998 5,838,306 5,841,907 206. 11/24/1998 Javidi et al. 207. 12/01/1998 5,844,287 Hassan et al. 5,847,876 Ferrante et al. 208. 12/08/1998 Teitelbaum et al. 209. 12/08/1998 5,848,231 5,852,670 Setlak et al. 210. 12/22/1998 211. 01/12/1999 5,859,420 Borza 01/19/1999 Salatino et al. 212. 5,862,248 213. 5,867,802 02/02/1999 Borza Meadows, II et al. 02/09/1999 5,869,822 214. Toyoda et al. 215. 02/23/1999 5,875,025 216. 03/09/1999 5,879,454 Peng Bahuguna 217. 04/06/1999 5,892,599 218. 05/04/1999 5,900,993 **Betensky** Schmitt et al. 219. 05/11/1999 5,903,225 Borza 220. 05/25/1999 5,907,627 221. 07/06/1999 5,920,384 Borza 07/06/1999 5,920,640 Salatino et al. 222. 223. 07/06/1999 5,920,642 Merjanian 224. 07/20/1999 5,926,261 Hoshino Bowker et al. 225. 08/17/1999 5,937,557 Feldman 226. 08/17/1999 5,938,706 227. 08/17/1999 5,940,525 Itsumi Setlak et al. 228. 08/17/1999 5,940,526 229. 08/24/1999 5,942,761 Tuli DATE CONSIDERED: **EXAMINER:**

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#### PTO/SB/08 (2-92) Sheet 15 of 17 Application Number 10/646,655 Docket Number 404302001300 Form PTO-1449 INFORMATION DISCLOSURE CITATION Applicant Jee-Hoon KIM et al. IN AN APPLICATION (Use several sheets if necessary) Filing Date August 21, 2003 Group Art Unit 2871 Mailing Date September 1, 2004 400. 08/26/1991 JP 03-194676 Abstract Japan 401. 08/26/1991 JP 03-194677 Abstract Japan 09/25/1991 402. JP 03-217992 Japan Abstract 4Ò3. 10/30/1991 JP 03-244092 Abstract Japan 11/05/1991 JP 03-246693 404. Japan Abstract 405. 11/05/1991 JP 03-246778 Abstract Japan 406. 12/24/1991 JP 03-292578 Japan Abstract 01/28/1992 407. JP 04-024881 Abstract Only Japan Japan 408. 03/23/1992 JP 04-088586 Abstract 409. 03/25/1992 JP 04-092990 Japan Abstract 04/21/1992 JP 04-120671 410. Japan Abstract 411. 04/27/1992 JP 04-125780 Abstract Japan 412. 06/30/1992 JP 04-182879 Japan Abstract JP 04-190470 413. 07/08/1992 Abstract Japan 08/19/1992 JP 04-230583 414. Japan Abstract 415. 08/31/1992 JP 04-242486 Japan Abstract 416. 09/08/1992 JP 04-252383 Japan Abstract 417. 09/28/1992 JP 04-271477 Japan Abstract 418. 09/28/1992 JP 04-271478 Japan Abstract 419. 11/11/1992 JP 04-320899 Abstract Japan 420. 12/21/1992 JP 04-367984 Japan Abstract 421. 04/23/1993 JP 05-101168 Japan Abstract 422. 07/02/1993 JP 05-168610 Abstract Japan 423. 08/27/1993 JP 05-216981 Abstract Japan 424. 09/21/1993 JP 05-242230 Japan Abstract 425. 10/15/1993 JP 05-266174 Japan Abstract 426. 11/12/1993 JP 05-298431 Abstract Japan 427. 07/15/1994 JP 06-195450 Japan Abstract

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